

**1841 - AVT-IR-TS-TAD-CZ, 2018-19**  
**LOCATIONWISE MEAN YIELD (q/ha)**

S.N	Variety	Code	Gujarat					M.P.
			Anand	Amreli	Junagarh	SK Nagar	Vijapur	Gwalior
			YieldRkG	YieldRkG	YieldRkG	YieldRkG	YieldRkG	YieldRkG
1	NIDW 1158 (d)	CZ-TS-102	54.9 11 0	39.5 10 0	48.6 4 1	71.6 7 0	74.0 4 1	92.6 3 1
2	HI 8811 (d)	CZ-TS-103	60.4 4 0	43.8 5 1	50.0 1 1	74.2 5 1	79.8 1 1	89.8 8 1
3	HD 3343 <sup>M</sup>	CZ-TS-104	60.2 5 0	44.8 4 1	44.6 10 0	78.6 1 1	70.2 10 0	87.8 9 1
4	HI 8812 (d)	CZ-TS-108	58.6 6 0	48.1 1 1	48.0 6 1	74.4 4 1	76.1 3 1	95.2 1 1
5	GW 1348 (d)	CZ-TS-109	46.3 13 0	28.7 13 0	45.6 8 0	71.3 9 0	78.6 2 1	90.0 6 1
6	DDW 49 (d)	CZ-TS-110	54.9 10 0	46.5 2 1	42.4 13 0	70.1 11 0	66.8 12 0	91.4 5 1
7	PBW 822 <sup>B</sup>	CZ-TS-111	61.8 3 0	40.0 7 0	48.2 5 1	73.2 6 1	70.7 9 0	87.4 10 1
8	HD 3345 <sup>B</sup>	CZ-TS-112	56.8 8 0	38.7 11 0	42.9 12 0	59.3 13 0	66.1 13 0	67.8 13 0
9	DDW 48 (d)	CZ-TS-113	49.2 12 0	40.0 8 0	47.1 7 1	70.3 10 0	71.4 8 0	90.0 6 1
10	HI 8713(d) (C)	CZ-TS-101	58.5 7 0	37.5 12 0	44.3 11 0	75.5 3 1	67.9 11 0	92.5 4 1
11	GW 322 (C)	CZ-TS-105	69.5 1 1	46.5 3 1	49.7 2 1	77.3 2 1	72.2 7 0	83.4 11 0
12	HI 1544 (C)	CZ-TS-106	62.7 2 1	39.7 9 0	44.9 9 0	71.4 8 0	73.8 5 1	82.4 12 0
13	HI 8737(d) (C)	CZ-TS-107	56.7 9 0	42.6 6 1	49.3 3 1	69.7 12 0	73.5 6 0	93.9 2 1
G.M.			57.7	41.3	46.6	72.1	72.4	88.0
S.E.(M)			3.031	2.568	1.498	2.451	2.602	4.235
C.D. (10%)			7.2	6.1	3.6	5.9	6.2	10.1
C.V.			10.5	12.4	6.4	6.8	7.2	9.6
D.O.S.(dd.mm.yy)			19.11.18	10.11.18	15.11.18	19.11.18	16.11.18	11.11.18

No. of Trials: Proposed = 23; Conducted = 21  
 Trials not Conducted (02): Banswara, Ratlam  
 Trials not reported (07) = Jabalpur (RMT), NIBSM-Raipur (RMT), Sagar (LS), KVK-Ujjain (HCV),  
 IGKV-Raipur (LS), Shahdol (DNR), Mandor (DNR)

**1841 - AVT-IR-TS-TAD-CZ, 2018-19**  
**LOCATIONWISE MEAN YIELD (q/ha)**

S.N	Variety	Code	M.P.					Rajasthan
			Indore	Powarkheda	Bhopal	Tikamgarh	Morena	Kota
			YieldRkG	Yield RkG	YieldRkG	Yield Rk G	YieldRkG	YieldRkG
1	NIDW 1158 (d)	CZ-TS-102	57.4 11 0	62.8 10 0	40.5 7 0	60.5 12 0	35.7 11 0	64.3 8 0
2	HI 8811 (d)	CZ-TS-103	60.0 5 0	70.5 4 0	34.9 11 0	74.1 1 1	47.7 1 1	65.1 6 0
3	HD 3343 <sup>M</sup>	CZ-TS-104	57.5 10 0	62.8 10 0	46.0 2 1	68.7 6 0	38.4 9 0	53.6 12 0
4	HI 8812 (d)	CZ-TS-108	61.3 4 1	73.0 1 1	34.4 12 0	58.0 13 0	43.9 4 1	74.6 1 1
5	GW 1348 (d)	CZ-TS-109	59.7 6 0	67.8 8 0	43.9 4 0	72.9 2 1	31.2 13 0	68.4 3 1
6	DDW 49 (d)	CZ-TS-110	64.2 1 1	68.8 7 0	48.4 1 1	69.1 5 0	46.9 2 1	67.4 4 1
7	PBW 822 <sup>B</sup>	CZ-TS-111	62.9 3 1	64.3 9 0	44.1 3 0	64.3 9 0	34.1 12 0	60.0 10 0
8	HD 3345 <sup>B</sup>	CZ-TS-112	42.7 13 0	59.8 13 0	33.5 13 0	61.1 11 0	40.1 7 0	43.8 13 0
9	DDW 48 (d)	CZ-TS-113	57.8 9 0	69.0 6 0	42.4 5 0	68.6 7 0	43.8 5 1	66.3 5 0
10	HI 8713(d) (C)	CZ-TS-101	64.2 2 1	71.7 3 1	39.5 8 0	69.7 4 1	40.0 8 0	64.6 7 0
11	GW 322 (C)	CZ-TS-105	54.8 12 0	62.8 10 0	41.2 6 0	62.0 10 0	38.0 10 0	54.9 11 0
12	HI 1544 (C)	CZ-TS-106	59.1 8 0	72.0 2 1	39.1 9 0	70.2 3 1	40.1 6 0	62.1 9 0
13	HI 8737(d) (C)	CZ-TS-107	59.4 7 0	69.8 5 0	37.9 10 0	65.3 8 0	45.7 3 1	69.6 2 1
G.M.			58.5	67.3	40.4	66.5	40.4	62.7
S.E.(M)			1.726	0.845	1.555	1.953	1.959	3.291
C.D. (10%)			4.1	2.0	3.7	4.7	4.7	7.9
C.V.			5.9	2.5	7.7	5.9	9.7	10.5
D.O.S.(dd.mm.yy)			12.11.18	14.11.18	12.11.18	16.11.18	20.11.18	17.11.18

**1841 - AVT-IR-TS-TAD-CZ, 2018-19  
LOCATIONWISE MEAN YIELD (q/ha)**

S. N	Variety	Code	Rajasthan		Chhatisgarh	
			Udaipur		Bilaspur	
			Yield	Rk G	Yield	Rk G
1	NIDW 1158 (d)	CZ-TS-102	64.6	4 0	37.3	9 0
2	HI 8811 (d)	CZ-TS-103	60.6	7 0	40.2	6 0
3	HD 3343 <sup>M</sup>	CZ-TS-104	66.3	3 1	33.8	11 0
4	HI 8812 (d)	CZ-TS-108	61.9	5 0	33.6	12 0
5	GW 1348 (d)	CZ-TS-109	60.7	6 0	51.3	1 1
6	DDW 49 (d)	CZ-TS-110	58.4	8 0	34.2	10 0
7	PBW 822 <sup>B</sup>	CZ-TS-111	57.3	9 0	37.8	8 0
8	HD 3345 <sup>B</sup>	CZ-TS-112	52.7	12 0	42.5	5 0
9	DDW 48 (d)	CZ-TS-113	55.3	10 0	30.7	13 0
10	HI 8713(d) (C)	CZ-TS-101	69.0	2 1	43.9	4 0
11	GW 322 (C)	CZ-TS-105	70.2	1 1	47.3	2 1
12	HI 1544 (C)	CZ-TS-106	50.1	13 0	46.9	3 1
13	HI 8737(d) (C)	CZ-TS-107	53.5	11 0	39.6	7 0
G.M.			60.1		39.9	
S.E.(M)			2.284		1.904	
C.D. (10%)			5.5		4.5	
C.V.			7.6		9.5	
D.O.S.(dd.mm.yy)			18.11.18		14.11.18	

**1841 - AVT-IR-TS-TAD-CZ, 2018-19  
STATE AND ZONAL MEANS (q/ha)**

SN	Variety	Code	Gujarat		M.P.		Rajasthan		Chhatisgarh		ZONAL
			Yield	RkG	Yield	RkG	Yield	RkG	Yield	Rk G	YieldRkG
1	NIDW 1158 (d)	CZ-TS-102	57.7	8 0	58.2	11 0	64.5	4 1	37.3	9 0	57.4 11 0
2	HI 8811 (d)	CZ-TS-103	61.7	2 1	62.8	3 1	62.9	6 0	40.2	6 0	60.8 1 1
3	HD 3343 <sup>M</sup>	CZ-TS-104	59.7	4 0	60.2	9 0	59.9	10 0	33.8	11 0	58.1 9 0
4	HI 8812 (d)	CZ-TS-108	61.0	3 1	61.0	6 0	68.3	1 1	33.6	12 0	60.1 2 1
5	GW 1348 (d)	CZ-TS-109	54.1	12 0	60.9	7 0	64.5	3 1	51.3	1 1	58.3 7 0
6	DDW 49 (d)	CZ-TS-110	56.1	10 0	64.8	1 1	62.9	5 0	34.2	10 0	59.2 5 0
7	PBW 822 <sup>B</sup>	CZ-TS-111	58.8	5 0	59.5	10 0	58.6	11 0	37.8	8 0	57.6 10 0
8	HD 3345 <sup>B</sup>	CZ-TS-112	52.7	13 0	50.8	13 0	48.2	13 0	42.5	5 0	50.5 13 0
9	DDW 48 (d)	CZ-TS-113	55.6	11 0	61.9	5 0	60.8	9 0	30.7	13 0	57.3 12 0
10	HI 8713(d) (C)	CZ-TS-101	56.7	9 0	62.9	2 1	66.8	2 1	43.9	4 0	59.9 3 1
11	GW 322 (C)	CZ-TS-105	63.0	1 1	57.0	12 0	62.5	7 0	47.3	2 1	59.3 4 0
12	HI 1544 (C)	CZ-TS-106	58.5	6 0	60.5	8 0	56.1	12 0	46.9	3 1	58.2 8 0
13	HI 8737(d) (C)	CZ-TS-107	58.4	7 0	62.0	4 0	61.6	8 0	39.6	7 0	59.0 6 0
G.M.			58.0		60.2		61.4		39.9		58.1
S.E.(M)			1.110		0.938		2.003		1.904		0.647
C.D. (10%)			2.6		2.2		4.7		4.5		1.5

**Summary of Disease Data and Agronomic Characteristics**

**Central Zone**

**Trial: AVT-IR-TS-TAD-CZ, 2018-19**

SN	Variety	Code	Rust Reactions		Agronomic Characteristics								Grain Characteristics			
			BI	Br	Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	Thr.	Lod.M	Col.	Tex.	TGW.R	TGW.M
1	NIDW 1158 (d)	CZ-TS-102	5MR	tR	56-81	70	103-139	120	75-98	86	Ey-M	15	A	SH-H	44-59	50
2	HI 8811 (d)	CZ-TS-103	tMR	tMR	58-81	71	105-138	120	76-100	86	Ey-M	10	A	SH-H	49-62	54
3	HD3343 <sup>M</sup>	CZ-TS-104	ts	tMS	58-87	75	106-139	122	80-102	92	Ey-M	10	A	SO-SH	35-47	41
4	HI 8812 (d)	CZ-TS-108	MR	tMR	57-84	73	108-154	123	73-98	83	M	5	A	SH-H	45-58	53
5	GW 1348 (d)	CZ-TS-109	MR	0	51-81	68	101-140	120	74-110	87	Ey-M	20	A	SH-H	46-46	54
6	DDW 49 (d)	CZ-TS-110	5MR	tMR	57-86	76	110-140	122	82-105	92	Ey-M	0	A	SH-H	39-39	47
7	PBW 822 <sup>B</sup>	CZ-TS-111	tMR	5MS	54-85	72	99-140	119	75-103	91	Ey-M	15	A	SO-SH	42-52	45
8	HD 3345 <sup>B</sup>	CZ-TS-112	tR	0	53-86	73	98-141	120	81-118	99	Ey-M	10	A	SO-SH	39-51	45
9	DDW 48 (d)	CZ-TS-113	tMR	tR	57-86	76	108-139	123	79-98	86	Ey-M	10	A	SH-H	39-50	46
10	HI8713(d) (C)	CZ-TS-101	tMR	tMS	57-88	76	110-143	125	82-103	93	Ey-M	15	A	SH-H	43-55	49
11	GW322 (C)	CZ-TS-105	10MR	tMS	54-86	74	99-139	120	78-104	91	Ey-M	15	A	SH-H	35-46	41
12	HI1544 (C)	CZ-TS-106	MR	0	49-81	67	95-140	118	76-111	91	Ey-M	20	A	SO-SH	39-76	46
13	HI8737(d) (C)	CZ-TS-107	ts	tMS	57-81	71	104-141	120	75-98	84	Ey-M	15	A	SH-H	46-58	53

1. Ancillary data from Anand, Amreli, Bilaspur, Bhopal, Indore, Junagarh, Gwalior, Kota, Powarkheda, IGKV Raipur, S.K.Nagar, Tikamgarh, Udaipur and Vijapur centres
2. Black rust data reported from Anand and Vijapur.
3. Brown rust data from Vijapur.

**AVT-IR-TS-TAD-CZ, 2018-19**  
**Central Zone**  
**Individual Station Rust Data**

SN	Variety	Code	Black Rust	
			Vijapur	Anand
1	NIDW 1158 (d)	CZ-TS-102	5MR	R
2	HI 8811 (d)	CZ-TS-103	tMR	MR
3	HD3343 <sup>M</sup>	CZ-TS-104	ts	R
4	HI 8812 (d)	CZ-TS-108	tr	MR
5	GW 1348 (d)	CZ-TS-109	tr	MR
6	DDW 49 (d)	CZ-TS-110	5MR	R
7	PBW 822 <sup>B</sup>	CZ-TS-111	tMR	R
8	HD 3345 <sup>B</sup>	CZ-TS-112	tr	R
9	DDW 48 (d)	CZ-TS-113	tMR	R
10	HI8713(d) (C)	CZ-TS-101	tMR	R
11	GW322 (C)	CZ-TS-105	10MR	R
12	HI1544 (C)	CZ-TS-106	tr	MR
13	HI8737(d) (C)	CZ-TS-107	ts	R

**1842 - AVT-IR-LS-TAS-CZ, 2018-19  
LOCATIONWISE MEAN YIELD (q/ha)**

SN	Variety	Code	Gujarat					
			Anand	Bardoli	Junagarh	S.K.Nagar	Vijapur	Sanosara
			YieldRkG	YieldRkG	YieldRkG	YieldRkG	YieldRkG	YieldRkG
1	CG 1029	CZ-LS-205	54.6 5 0	75.6 2 1	35.1 1 1	44.3 7 0	56.4 1 1	53.3 4 1
2	UAS 3002	CZ-LS-206	45.6 9 0	60.2 10 0	28.1 8 0	40.7 10 0	43.1 10 0	44.6 10 0
3	HI 1633	CZ-LS-207	50.1 7 0	66.4 7 0	28.1 9 0	56.0 1 1	54.5 5 1	54.3 1 1
4	HI 1634	CZ-LS-208	58.2 2 1	69.6 5 1	32.4 4 1	44.4 6 0	49.7 7 0	49.9 6 0
5	HI 8808 (d)	CZ-LS-209	45.2 10 0	67.7 6 0	32.8 3 1	43.7 8 0	55.3 4 1	54.1 3 1
6	HI 8807 (d)	CZ-LS-210	47.7 8 0	73.8 3 1	32.9 2 1	41.1 9 0	56.3 2 1	54.2 2 1
7	HD 2932 (C)	CZ-LS-201	61.5 1 1	75.8 1 1	29.6 6 0	44.8 5 0	55.4 3 1	49.5 7 0
8	HD 2864 (C)	CZ-LS-202	56.5 3 0	71.4 4 1	28.7 7 0	45.5 3 0	48.6 9 0	47.6 8 0
9	MP 3336 (C)	CZ-LS-203	54.5 6 0	65.2 8 0	31.4 5 0	46.0 2 0	50.2 6 0	51.0 5 1
10	MP 4010 (C)	CZ-LS-204	55.0 4 0	63.7 9 0	25.9 10 0	45.5 4 0	49.5 8 0	45.9 9 0
G.M.			52.9	68.9	30.5	45.2	51.9	50.4
S.E.(M)			1.976	3.298	1.277	2.647	2.246	1.432
C.D. (10%)			4.8	7.9	3.1	6.4	5.4	3.4
C.V.			7.5	9.6	8.4	11.7	8.7	5.7
D.O.S.(dd.mm.yy)			11.12.18	06.12.18	11.12.18	07.12.18	06.12.18	14.12.18

No. of Trials : Proposed =21 Conducted = 18  
 Trials not Conducted (03) : Rewa, Banswara, Mandor  
 Trials not reported (02) = Sagar (RMT), NIBSM-Raipur (RMT)

**1842 - AVT-IR-LS-TAS-CZ, 2018-19  
LOCATIONWISE MEAN YIELD (q/ha)**

SN	Variety	Code	M.P.				Rajasthan	
			Gwalior	Indore	Jabalpur	Powarkheda	Udaipur	Kota
			YieldRkG	YieldRkG	YieldRkG	Yield RkG	YieldRkG	YieldRkG
1	CG 1029	CZ-LS-205	94.9 2 1	38.9 8 0	44.5 3 0	56.2 1 1	43.9 10 0	65.3 1 1
2	UAS 3002	CZ-LS-206	80.8 8 0	32.8 10 0	33.4 9 0	42.6 10 0	45.3 9 0	46.3 8 0
3	HI 1633	CZ-LS-207	80.8 7 0	42.0 4 0	44.2 4 0	53.6 3 0	55.8 8 0	59.2 4 1
4	HI 1634	CZ-LS-208	95.7 1 1	46.5 1 1	48.4 1 1	49.6 7 0	60.0 3 1	62.6 2 1
5	HI 8808 (d)	CZ-LS-209	86.8 4 1	42.0 5 0	35.7 8 0	52.1 5 0	61.8 1 1	55.7 7 0
6	HI 8807 (d)	CZ-LS-210	91.0 3 1	45.0 2 1	44.6 2 0	49.4 8 0	55.8 7 0	61.0 3 1
7	HD 2932 (C)	CZ-LS-201	80.0 9 0	42.6 3 0	43.7 5 0	55.0 2 1	60.0 2 1	58.2 5 0
8	HD 2864 (C)	CZ-LS-202	71.2 10 0	40.6 6 0	41.0 6 0	52.9 4 0	56.3 5 0	56.0 6 0
9	MP 3336 (C)	CZ-LS-203	83.4 5 0	38.6 9 0	28.5 10 0	46.4 9 0	56.3 6 0	46.0 9 0
10	MP 4010 (C)	CZ-LS-204	83.3 6 0	40.6 7 0	36.0 7 0	50.0 6 0	57.1 4 0	37.6 10 0
G.M.			84.8	41.0	40.0	50.8	55.2	54.8
S.E.(M)			3.866	1.037	1.111	0.865	1.826	2.744
C.D. (10%)			9.3	2.5	2.7	2.1	4.4	6.6
C.V.			9.1	5.1	5.6	3.4	6.6	10.0
D.O.S.(dd.mm.yy)			06.12.18	07.12.18	12.12.18	10.12.18	05.12.18	08.12.18

**1842 - AVT-IR-LS-TAS-CZ, 2018-19  
LOCATIONWISE MEAN YIELD (q/ha)**

SN	Variety	Code	Chhattisgarh											
			Bilaspur			Jagdalpur			Ambikapur			IGKV-Raipur		
			Yield	Rk	G	Yield	Rk	G	Yield	Rk	G	Yield	Rk	G
1	CG 1029	CZ-LS-205	43.8	1	1	42.5	2	1	45.9	1	1	51.6	2	1
2	UAS 3002	CZ-LS-206	36.5	6	0	35.9	8	0	39.6	6	0	50.9	4	1
3	HI 1633	CZ-LS-207	37.4	5	0	33.8	10	0	38.9	8	0	42.6	6	0
4	HI 1634	CZ-LS-208	35.8	7	0	42.0	4	1	45.8	2	1	40.4	7	0
5	HI 8808 (d)	CZ-LS-209	32.3	10	0	43.3	1	1	40.6	4	0	38.0	8	0
6	HI 8807 (d)	CZ-LS-210	37.7	4	0	37.8	6	0	39.3	7	0	35.9	9	0
7	HD 2932 (C)	CZ-LS-201	34.6	8	0	37.3	7	0	37.9	9	0	51.1	3	1
8	HD 2864 (C)	CZ-LS-202	34.5	9	0	38.5	5	0	40.7	3	0	50.9	4	1
9	MP 3336 (C)	CZ-LS-203	41.5	3	1	42.1	3	1	40.0	5	0	33.7	10	0
10	MP 4010 (C)	CZ-LS-204	43.4	2	1	35.0	9	0	37.8	10	0	53.1	1	1
G.M.			37.8			38.8			40.6			44.8		
S.E.(M)			2.401			1.779			1.935			2.585		
C.D. (10%)			5.8			4.3			4.7			6.2		
C.V.			12.7			9.2			9.5			11.5		
D.O.S.(dd.mm.yy)			13.12.18			10.12.18			04.12.18			15.12.18		

**1842 - AVT-IR-LS-TAS-CZ, 2018-19  
STATE AND ZONAL MEANS (q/ha)**

SN	Variety	Code	Gujarat	M.P.	Rajasthan	Chhattisgarh	ZONAL
			YieldRkG	YieldRkG	YieldRkG	Yield RkG	YieldRkG
1	CG 1029	CZ-LS-205	53.2 1 1	58.6 2 1	54.6 7 0	45.9 1 1	52.9 1 1
2	UAS 3002	CZ-LS-206	43.7 10 0	47.4 10 0	45.8 10 0	40.7 5 0	44.1 10 0
3	HI 1633	CZ-LS-207	51.6 3 1	55.2 5 0	57.5 5 1	38.2 9 0	49.9 5 0
4	HI 1634	CZ-LS-208	50.7 5 0	60.1 1 1	61.3 1 1	41.0 4 0	52.0 2 1
5	HI 8808 (d)	CZ-LS-209	49.8 6 0	54.1 6 0	58.7 3 1	38.5 8 0	49.2 6 0
6	HI 8807 (d)	CZ-LS-210	51.0 4 0	57.5 3 0	58.4 4 1	37.6 10 0	50.2 4 0
7	HD 2932 (C)	CZ-LS-201	52.8 2 1	55.3 4 0	59.1 2 1	40.2 6 0	51.1 3 0
8	HD 2864 (C)	CZ-LS-202	49.7 7 0	51.4 8 0	56.1 6 0	41.2 3 0	48.8 7 0
9	MP 3336 (C)	CZ-LS-203	49.7 8 0	49.3 9 0	51.2 8 0	39.3 7 0	47.2 9 0
10	MP 4010 (C)	CZ-LS-204	47.6 9 0	52.5 7 0	47.4 9 0	42.3 2 0	47.4 8 0
G.M.			50.0	54.1	55.0	40.5	49.3
S.E.(M)			0.921	1.061	1.648	1.100	0.555
C.D. (10%)			2.2	2.5	3.9	2.6	1.3

## Summary of Disease Data and Agronomic Characteristics

Central Zone

Trial: AVT-IR-LS-TAS-CZ, 2018-19

SN	Variety	Code	Rust Reaction		Agronomic Characteristics								Grain Characteristics			
			Br	BI	Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	Thr.	Lod.M	Col.	Tex.	TGW.R	TGW.M
1	CG1029	CZ-LS-205	0	0	51-81	67	90-123	110	72-108	89	Ey-M	5	A	SH-H	35-56	45
2	UAS3002	CZ-LS-206	0	tR	56-84	70	94-126	112	72-107	90	Ey-M	5	A	SO-SH	31-46	38
3	HI1633	CZ-LS-207	0	0	49-79	67	88-130	110	67-100	86	Ey-M	0	A	SO-SH	32-47	39
4	HI1634	CZ-LS-208	0	0	49-78	67	86-128	110	72-109	86	Ey-M	10	A	SH-H	33-50	39
5	HI8808 (d)	CZ-LS-209	0	tR	57-80	69	94-125	112	71-103	84	Ey-M	25	A	SH-H	35-54	42
6	HI8807 (d)	CZ-LS-210	0	0	57-82	70	94-125	111	70-103	85	Ey-M	20	A	SH-H	36-53	43
7	HD2932 (C)	CZ-LS-201	tR	tR	51-82	68	88-127	110	71-110	89	Ey-M	0	A	SO-SH	32-49	38
8	HD2864 (C)	CZ-LS-202	0	tR	47-78	64	91-125	110	67-97	85	Ey-M	0	A	SO-SH	31-46	37
9	MP3336 (C)	CZ-LS-203	0	tR	45-76	62	85-129	108	60-96	78	Ey-M	0	A	SO-SH	32-48	39
10	MP4010 (C)	CZ-LS-204	0	tR	47-77	64	13-125	102	62-97	79	Ey-M	10	A	SO-SH	34-54	42

1. Ancillary data from Anand, Ambikapur, Bardoli, Bilaspur, Indore, Jabalpur, Jagdalpur, Junagarh, Gwalior, Kota, Powarkheda, IGKV Raipur, Lok Bharti Sanosara, S.K. Nagar, Udaipur and Vijapur centres
2. Black and Brown rust reported from Vijapur only.
3. Lodging data from Gwalior, Powarkheda and Anand.

**1843- AVT-RI-TS-TAD-CZ, 2018-19**  
**LOCATIONWISE MEAN YIELD (q/ha)**

SN	Variety	Code	Gujarat				M.P	
			Vijapur	Dhandhuka	Sanosara	Anand	Indore	Jabalpur
			YieldRkG	Yield RkG	YieldRkG	YieldRkG	YieldRkG	YieldRkG
1	UAS 466(d)*	CZ-RI-303	32.3 4 0	20.5 6 0	32.0 4 0	26.9 4 0	43.4 3 1	51.7 1 1
2	DBW 277	CZ-RI-305	36.3 2 1	26.5 4 0	33.9 3 0	38.8 1 1	41.3 5 0	29.6 6 0
3	DDW 47(d)* <sup>Q</sup>	CZ-RI-306	27.9 6 0	25.0 5 0	31.4 5 0	26.1 6 0	40.1 6 0	34.7 4 0
4	HI 8627(d) (C)	CZ-RI-301	29.0 5 0	30.1 3 1	27.3 6 0	26.5 5 0	42.6 4 0	44.2 2 0
5	DBW 110 (C)	CZ-RI-302	33.9 3 0	32.3 1 1	39.6 1 1	35.9 3 1	45.5 2 1	30.0 5 0
6	MP 3288 (C)	CZ-RI-304	39.2 1 1	31.1 2 1	36.6 2 0	36.4 2 1	46.3 1 1	36.2 3 0
G.M.			33.1	27.6	33.5	31.8	43.2	37.8
S.E.(M)			1.980	0.948	1.019	1.296	1.280	0.798
C.D. (10%)			4.9	2.3	2.5	3.2	3.2	2.0
C.V.			12.0	6.9	6.1	8.2	5.9	4.2
D.O.S.(dd.mm.yy)			05.11.18	02.11.18	07.11.18	30.10.18	26.10.18	08.11.18

No. of Trials:Proposed = 18                      Conducted = 16  
 Trials not Conducted (02): Rewa, Banswara  
 Trial not reported (04) = Sagar (RMT), Amreli (RMT), Junagarh (LSM), NIBSM-Raipur (DNR)

**1843- AVT-RI-TS-TAD-CZ, 2018-19**  
**LOCATIONWISE MEAN YIELD (q/ha)**

SN	Variety	Code	M.P.			Rajasthan		Chhattisgarh
			Bhopal	Powarkheda	Gwalior	Pratapgarh	Udaipur	Bilaspur
			YieldRkG	Yield RkG	YieldRkG	Yield Rk G	YieldRkG	Yield Rk G
1	UAS 466(d)*	CZ-RI-303	35.5 5 0	47.3 4 1	62.5 5 0	30.4 5 1	29.0 5 0	32.1 5 0
2	DBW 277	CZ-RI-305	39.7 1 1	48.4 2 1	66.7 4 1	32.9 3 1	41.5 2 0	38.2 2 1
3	DDW 47(d)* <sup>Q</sup>	CZ-RI-306	35.4 6 0	47.6 3 1	71.7 1 1	28.7 6 1	28.1 6 0	34.8 4 0
4	HI 8627(d) (C)	CZ-RI-301	39.7 2 1	45.0 5 0	61.7 6 0	31.6 4 1	35.8 4 0	38.0 3 1
5	DBW 110 (C)	CZ-RI-302	36.3 4 0	48.9 1 1	66.7 3 1	33.3 2 1	46.2 1 1	39.9 1 1
6	MP 3288 (C)	CZ-RI-304	38.0 3 1	43.0 6 0	69.4 2 1	33.3 1 1	37.0 3 0	28.6 6 0
G.M.			37.5	46.7	66.5	31.7	36.3	35.3
S.E.(M)			1.319	0.899	3.600	2.090	1.358	1.004
C.D. (10%)			3.3	2.2	8.9	5.2	3.4	2.5
C.V.			7.0	3.9	10.8	13.2	7.5	5.7
D.O.S.(dd.mm.yy)			09.11.18	03.11.18	07.11.18	10.11.18	02.11.18	05.11.18

**1843- AVT-RI-TS-TAD-CZ, 2018-19**  
**STATE AND ZONAL MEANS (q/ha)**

SN	Variety	Code	Gujarat	M.P.	Rajasthan	Chhattisgarh	ZONAL
			YieldRkG	YieldRkG	YieldRkG	Yield Rk G	YieldRkG
1	UAS 466(d)*	CZ-RI-303	27.9 5 0	48.1 1 1	29.7 5 0	32.1 5 0	37.0 5 0
2	DBW 277	CZ-RI-305	33.8 3 0	45.1 6 0	37.2 2 1	38.2 2 1	39.5 3 0
3	DDW 47(d)* <sup>Q</sup>	CZ-RI-306	27.6 6 0	45.9 4 0	28.4 6 0	34.8 4 0	36.0 6 0
4	HI 8627(d) (C)	CZ-RI-301	28.2 4 0	46.7 2 1	33.7 4 0	38.0 3 1	37.6 4 0
5	DBW 110 (C)	CZ-RI-302	35.4 2 1	45.5 5 0	39.7 1 1	39.9 1 1	40.7 1 1
6	MP 3288 (C)	CZ-RI-304	35.8 1 1	46.6 3 1	35.2 3 0	28.6 6 0	39.6 2 0
G.M.			31.5	46.3	34.0	35.3	38.4
S.E.(M)			0.686	0.843	1.246	1.004	0.475
C.D. (10%)			1.6	2.0	3.0	2.5	1.1

## Summary of Agronomic Characteristics

**Central Zone**

**Trial: AVT-RI-TS-TAD-CZ, 2018-19**

SN	Variety	Code	Agronomic Characteristics							Grain Characteristics			
			Hd.R	Hd.M	Mat.R	Mat.M	Ht.R	Ht.M	Thr.	Col.	Tex.	TGW.R	TGW.M
1	UAS 466(d)*	CZ-RI-303	59-83	68	99-138	121	69-93	80	Ey-M	A	SO-SH	28-46	39
2	DBW 277	CZ-RI-305	61-79	71	96-139	120	70-100	85	Ey-M	A	SH-H	26-44	37
3	DDW 47(d)* <sup>Q</sup>	CZ-RI-306	71-85	73	104-138	122	69-99	83	Ey-M	A	SH-H	28-48	37
4	HI8627(d) (C)	CZ-RI-301	65-84	74	105-137	123	69-101	87	Ey-M	A	SH-H	30-52	44
5	DBW110 (C)	CZ-RI-302	62-82	73	99-141	121	70-104	89	Ey-M	A	SO-SH	28-47	40
6	MP3288 (C)	CZ-RI-304	60-81	71	98-137	120	74-102	87	Ey-M	A	SO-SH	27-46	39

1. Ancillary data from Anand, Bilaspur, Bhopal, Dhandhuka, Indore, Jabalpur, Junagarh, Gwalior, Sanosara, Udaipur and Vijapur centres
2. No disease incidence reported from any centre.